TWIG Embody
The Wearable Personal Safety Alarm

TWIG Embody is a wearable 3G*/GSM/GNSS* personal alarm device designed to adapt for multiple lone worker and personal safety needs by providing a scalable device, practical wearing solutions and turn-key modules for integrating the overall personal safety system.

Dedicated alarm device
- ManDown++, Amber alert, Rip alarm
- Ripcord and SOS key for panic situations
- 2-way voice

Small and smart
- Plain text On-Screen Messages
- Clock and graphical display
- Vibrating indications

Wearable for every risk situation
- ID card holder, pendant, embedded in clothing
- IP67 waterproof

Location fusion
- Using all means to find the person in distress
- TWIG Point Netloc and TWIG Point AGNSS
- TWIG Beacon SRD on-site locating devices

TWIG life cycle economies
- Support services
- Engineered and manufactured in-house by TWIG

Remote device management
- TWIG Point Remote Configurator
- Saves time and money in customer support
- Access with TWIG Point SP web account

Lone worker safety
Duty of care requires employers to give lone workers means to alert help. Depending on risk assessment, a dedicated alarm device may be required.

Automatic ManDown++ function can trigger alert if user is incapacitated.

When entering a risky situation, enhanced monitoring can be requested with Amber alert. It can trigger alert in ARC also in absence of GSM connection.****

Attendance monitoring
TWIG personal alarms register attendance by swiping TWIG Tag RF identifiers.

Telecare
Telecare solutions powered by TWIG enable those with long-term care needs to enjoy more independent and active lives.

Personal protection
TWIG alarm improves safety through SOS key, two-way voice and GPS* tracking.

Efficient deployment
Remote configuration makes TWIG device fast to deploy and flexible to operate. Also USB programmable, either manually or from file.

Alarms monitoring and tracking
TWIG Integrator Kit resources enable integrating TWIG devices with alarm receiving centre (ARC).

Optionally the TWIG Point Monitor provides a turn-key solution for testing and deployment.

Alarms and reports can also be received on smartphone as SMS with web map link.

TWIG Embody ID

A discreet personal alarm with identification badge holder and rip alarm, well suited for safety of front office and health care staff and social workers.

Wearing
- Removable ID badge holder for ID card
- Triggers rip alarm if detached by force
- Discreet manual alert behind ID badge
- Horizontal and vertical wearing options

Sales package content
- TWIG Embody personal alarm device with integral battery
- Mains charger with adapter of choice
- Quick user quide
- Software and Services leaflet
- Attachable ID card holder for ID badge
- Carrying strap including ripcord

TWIG Embody Pendant

A personal alarm with lanyard and ripcord is easy to carry and quick to reach and activate if needed.

Sales package content
- TWIG Embody personal alarm device with integral battery
- Mains charger with adapter of choice
- Quick user guide
- Software and Services leaflet
- Carrying strap including ripcord

Wearing
- Lanyard including ripcord
- Easy to carry with
- Triggers rip alarm if detached by force

TWIG Embody Hook

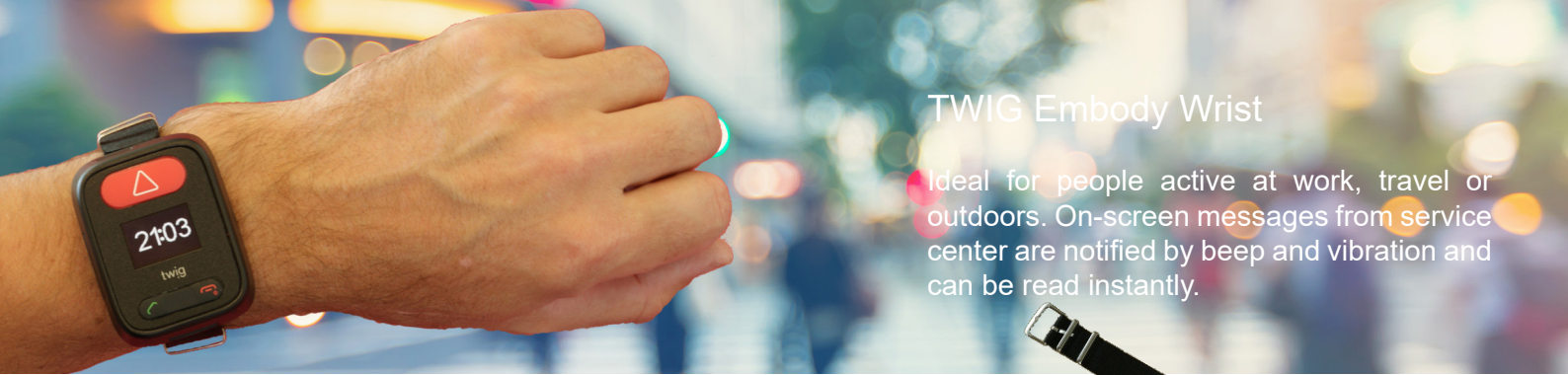Clipped on, or secured around belt with velcro loop.

Sales package content
- TWIG Embody personal alarm device with integral battery
- Mains charger with adapter of choice
- Quick user guide
- Software and Services leaflet
- Carbine hook
- Velcro loop

Wearing
- Carbine hook
- Velcro loop to secure around belt
- Attached to bag or clothing
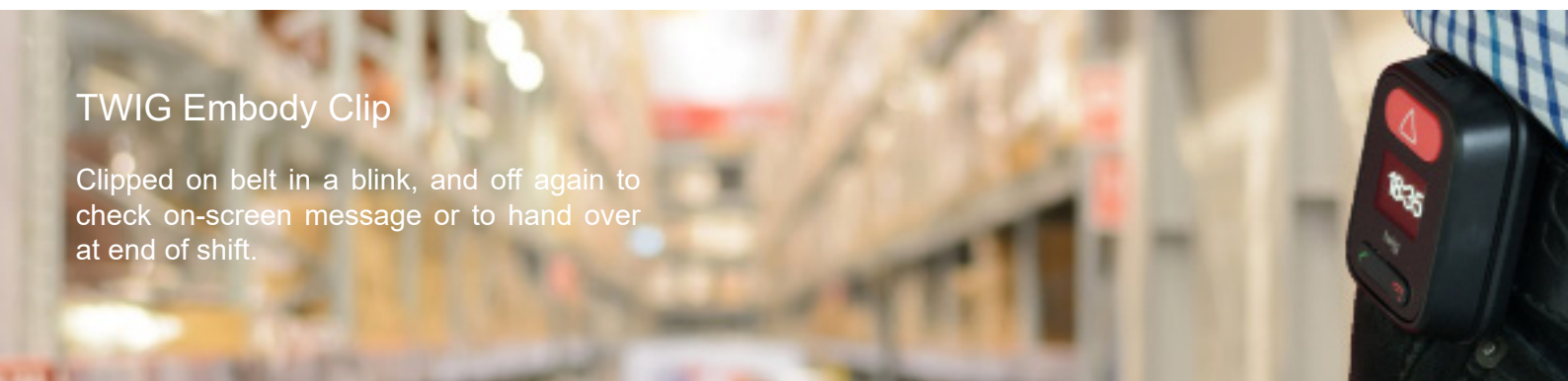
TWIG Embody Wrist

Ideal for people active at work, travel or outdoors. On-screen messages from service center are notified by beep and vibration and can be read instantly.

Wearing
- Safety watch
- Always at hand
- Quick to activate in case of emergency
- Not compatible with TWIG Tag

Sales package content
- TWIG Embody personal alarm device with integral battery
- Mains charger with adapter of choice
- Quick user guide
- Software and Services leaflet
- Wrist band

TWIG Embody Clip

Clipped on belt in a blink, and off again to check on-screen message or to hand over at end of shift.

Sales package content
- TWIG Embody personal alarm device with integral battery
- Mains charger with adapter of choice
- Quick user guide
- Software and Services leaflet
- Belt clip

Wearing
- Easy to clip on belt or other clothing
- Remove quickly
- Pager style, with voice

TWIG Embody Embed

Personal alarm tailored to the occasion by fitting in work or personal clothing or sportswear.

Wearing
- Bespoke personal alarm
- Embedded in clothing, accessories or personal equipment
- Wearing example: two velcro straps sewn in apparel, 18 mm wide and 50 mm apart

Sales package content
- TWIG Embody personal alarm device with integral battery
- Mains charger with adapter of choice
- Quick user guide
- Software and Services leaflet
- Wrist band

TWIG Embody
Technical Specification (TUP91EU)

Compatibility and communication
• Communicates with all systems using MPTP (Mobile Phone Telematics Protocol) both SMS and GPRS.
• Tracking and alert messages include information on GPS / TWIG Beacon locating devices, speed, heading and battery charge.

Provisioning and security
• Remote or local configuration
• Authorisation of remote and local access

Mechanics
• Dimensions: 61 mm x 46 mm x 19 mm
• Weight: 50 g including battery
• IP67 water and dust proof per IEC 60529
• Shock resistant 1 m drop per IEC 60068-2-31
• Tactile silicone keypad for firm grip

Key telematics functionality
• Manual alert through SOS key
• Automatic ManDown alarm (tilt angle or non-movement)
• ManDown++ (four independent alert triggers: device orientation and non-movement, free fall and impact)
• Two-way 3G/GSM voice with speaker
• Device and user status messages
• Interactive on-screen messages
• GPS / TWIG Beacon SRD tracking*
• Geofence

Key technical features
• Quad-band GSM (850/900/1800/1900 MHz)
• 5-band 3G (800/850/900/1900/2100 MHz)
• Built-in GSM, SRD and GPS antennas
• Operating temperature -20°C +50°C
• Alert tones
• Vibrating alert

Operating time
• Rechargeable 750 mAh Li-ion battery
• Typical operating times, GPS/GPRS reporting**
• 4 days (1 GPS report / hr)
• 2 days (1 GPS report / 10 min)
• 15 hours (1 GPS report / min)
• 4 hours (1 GPS report / 5 sec)
• Up to 14 days (GSM standby only)
• Recharging time*** < 3 hrs for 95 %

GNSS*
• High performance 48-channel receiver
• Multi constellation GNSS receiver (GPS, Glonass, Galileo and BeiDou)*****
• Time to first fix:
• Hot start 1 s; cold start < 35 s
• Configurable opt-out and roaming block
• Extended ephemeris on-board generation
• Motion based GPS control

Display and keys
• Easily idenfiable SOS key
• OLED display with guiding symbols
• Preprogrammable quick dial / status keys
• Answer / Assistance call
• Power On / Off / End call
• Alternative UI keys

Optional device features
• 3G mobile network*
• GNSS*
• ManDown alarm*
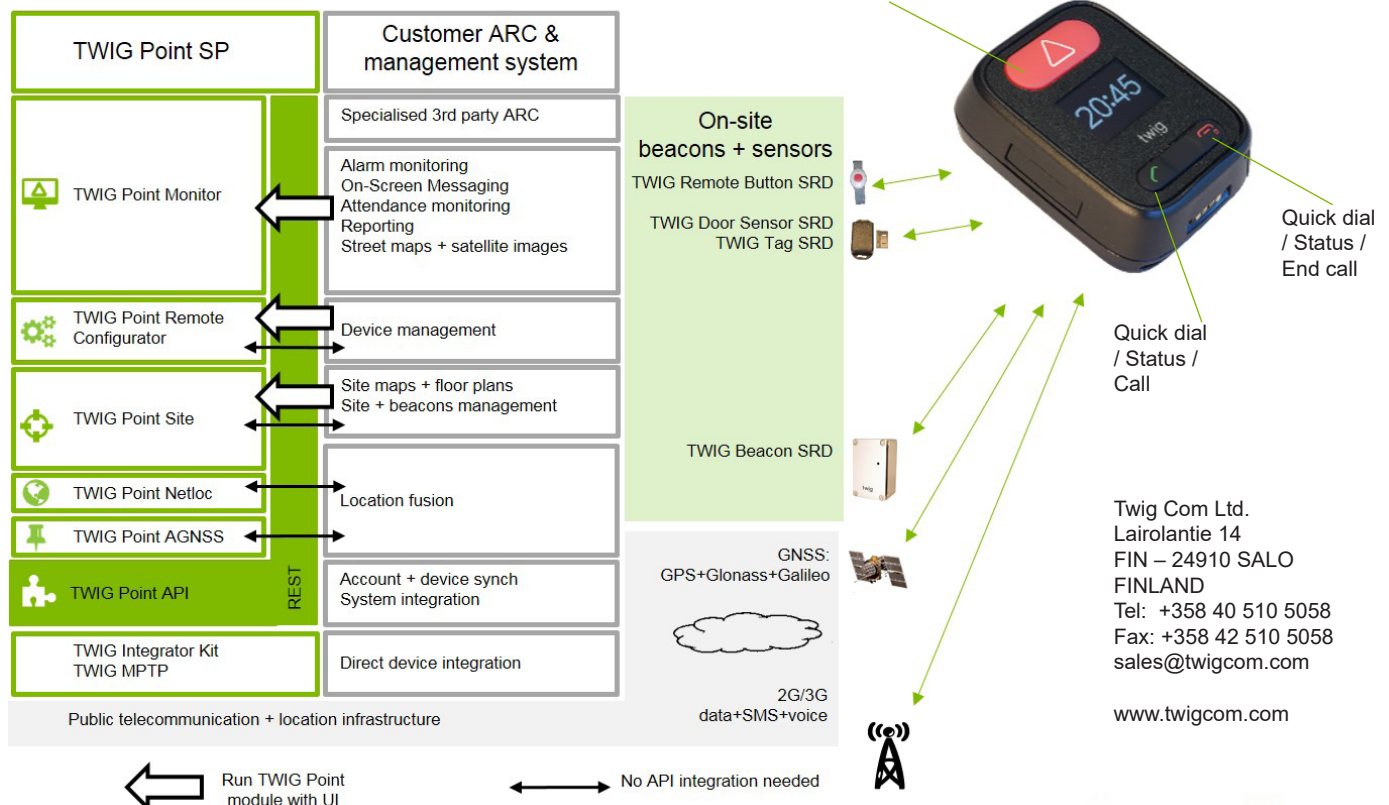• SRD compatibility*

Compatible short range devices
• TWIG Beacon SRD locating device*
• TWIG Tag SRD RF identifier*
• TWIG Remote Button SRD*
• TWIG Door Sensor SRD*

Software and resources
• TWIG Configurator PC app
• TWIG FirmwareLoader PC app
• TWIG Integrator Kit for ARC integration

Turn-key TWIG Point Services
• TWIG Point Remote Configurator for device settings management over the air
• TWIG Point Netloc for hybrid location
• TWIG Point AGNSS feed for faster first fix
• TWIG Point Monitor for alarm monitoring
• TWIG Point Site for site management
• TWIG Point API

SOS key

Quick dial / Status / End call

Quick dial / Status / Call

TWIG Point SP	Customer ARC & management system	On-site beacons + sensors	
TWIG Point Monitor	Specialised 3rd party ARC		
	Alarm monitoring / On-Screen Messaging / Attendance monitoring / Reporting / Street maps + satellite images	TWIG Remote Button SRD	
TWIG Point Remote Configurator	Device management	TWIG Door Sensor SRD / TWIG Tag SRD	
TWIG Point Site	Site maps + floor plans / Site + beacons management		
TWIG Point Netloc	Location fusion	TWIG Beacon SRD	
TWIG Point AGNSS			
TWIG Point API	Account + device synch / System integration	GNSS: GPS+Glonass+Galileo	
TWIG Integrator Kit / TWIG MPTP	Direct device integration		
Public telecommunication + location infrastructure		2G/3G data+SMS+voice	

Run TWIG Point module with UI

No API integration needed

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